

MLK1 Polyclonal Antibody

Catalog No :	YT2783
Reactivity :	Human;Mouse
Applications :	IHC;IF;ELISA
Target :	MLK1
Gene Name :	MAP3K9
Protein Name :	Mitogen-activated protein kinase kinase kinase 9
Human Gene Id :	4293
Human Swiss Prot No :	P80192
Mouse Gene Id :	338372
Mouse Swiss Prot No :	Q3U1V8
Immunogen :	The antiserum was produced against synthesized peptide derived from human MAP3K9. AA range:561-610
Specificity :	MLK1 Polyclonal Antibody detects endogenous levels of MLK1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 122kD

Cell Pathway : Regulation of Actin Dynamics; SAPK_JNK; Stem cell pathway; B_Cell_Antigen

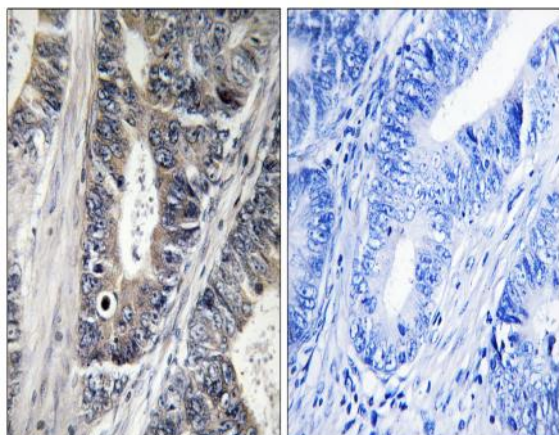
Background : MAP3K9 (Mitogen-Activated Protein Kinase Kinase Kinase 9) is a Protein Coding gene. Diseases associated with MAP3K9 include retroperitoneal neuroblastoma. Among its related pathways are MAP Kinase Signaling and TGF-Beta Pathway. GO annotations related to this gene include protein homodimerization activity and protein kinase activity. An important paralog of this gene is KSR1.

Function : catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Homodimerization via the leucine zipper domains is required for autophosphorylation and subsequent activation.,function:Activates the JUN N-terminal pathway.,PTM:Autophosphorylation on serine and threonine residues within the activation loop plays a role in enzyme activation. Thr-312 is likely to be the main autophosphorylation site.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH3 domain.,subunit:Homodimer.,tissue specificity:Expressed in epithelial tumor cell lines of colonic, breast and esophageal origin.,

Subcellular Location : intracellular,integral component of membrane,

Expression : Expressed in epithelial tumor cell lines of colonic, breast and esophageal origin.

Products Images



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using MAP3K9 Antibody. The picture on the right is blocked with the synthesized peptide.